

## EAST Search History

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1    | 41   | ("4612095" "4818711" "4846837").<br>PN.<br>("20020009604" "20020049495" "20020140137" "20030004564" "20030109912" "20030229393" "5725567" "5755759" "5766684" "5782910" "5785765" "5858118" "5908511" "5916388" "5951586" "5980566" "6068001" "6171232" "6174610" "6183255" "6206914" "6228445" "6245104" "6312642" "6383519" "6451130" "6464889" "6468297" "6471978" "6485511" "6486059" "6589365" "6592707" "6599558" "6599845" "6613084" "6613432" "6663606").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/10/24 10:20 |
| S2    | 60   | ("4612095" "4818711" "4846837").<br>PN.<br>("20020009604" "20020049495" "20020140137" "20030004564" "20030109912" "20030229393" "5725567" "5755759" "5766684" "5782910" "5785765" "5858118" "5908511" "5916388" "5951586" "5980566" "6068001" "6171232" "6174610" "6183255" "6206914" "6228445" "6245104" "6312642" "6383519" "6451130" "6464889" "6468297" "6471978" "6485511" "6486059" "6589365" "6592707" "6599558" "6599845" "6613084" "6613432" "6663606").PN.<br>("5645740" "5637113" "5607607" "5545213" "5545208" "5514485" "5476509" "5456768" "5407492" "5399435" "5344455" "5282850" "5275696" "5259935" "5211663" "5205921" "5147370" "5139623" "4888203").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/10/24 10:34 |
| S3    | 10   | S2 and amorphous near3 oxide  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/10/24 10:37 |
| S5    | 1    | 10/827149   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/10/24 14:27 |

## EAST Search History

|     |     |   |                              |    |    |                  |
|-----|-----|---|------------------------------|----|----|------------------|
| S6  | 60  | ("4612095" "4818711" "4846837").<br>PN.<br>("20020009604" "20020049495" "20<br>020140137" "20030004564" "20030<br>109912" "20030229393" "5725567" "<br>5755759" "5766684" "5782910" "5<br>785765" "5858118" "5908511" "591<br>6388" "5951586" "5980566" "60680<br>01" "6171232" "6174610" "6183255<br>" "6206914" "6228445" "6245104" "<br>6312642" "6383519" "6451130" "64<br>64889" "6468297" "6471978" "6485<br>511" "6486059" "6589365" "659270<br>7" "6599558" "6599845" "6613084"<br> "6613432" "6663606").PN.<br>("5645740" "5637113" "5607607"<br>"5545213" "5545208" "5514485"<br>"5476509" "5456768" "5407492"<br>"5399435" "5344455" "5282850"<br>"5275696" "5259935" "5211663"<br>"5205921" "5147370" "5139623"<br>"4888203").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:32 |
| S9  | 11  | S8 and oxide  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:33 |
| S7  | 3   | S6 and amorphous near3 oxide and<br>(sodium with (nitrate bicarbonate<br>carbonate hydroxide) "NaNO.sub.3"<br>"NaHCO.sub.3" "Na.sub.2CO.sub.3"<br>NaOH)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:34 |
| S8  | 15  | S6 and (sodium with (nitrate<br>bicarbonate carbonate hydroxide)<br>"NaNO.sub.3" "NaHCO.sub.3" "Na.<br>sub.2CO.sub.3" NaOH)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:38 |
| S11 | 164 | (yea near2 su chun near2 shih shing<br>near2 lin)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:41 |
| S15 | 12  | S11 and (sodium with (bicarbonate<br>carbonate hydroxide) "NaHCO.sub.<br>3" "Na.sub.2CO.sub.3" NaOH)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:42 |
| S14 | 1   | S11 and (sodium with nitrate<br>"NaNO.sub.3")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:42 |
| S10 | 3   | S6 and (sodium with nitrate "NaNO.<br>sub.3") and (sodium with<br>(bicarbonate carbonate hydroxide)<br>"NaHCO.sub.3" "Na.sub.2CO.sub.3"<br>NaOH)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/10/24 14:42 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S13 | 1    | S11 and (sodium with nitrate "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH) | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/24 14:43 |
| S19 | 22   | S16 and S18  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:45 |
| S18 | 1022 | (medical implant) and amorphous near2 oxide  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:45 |
| S17 | 428  | medical and amorphous near2 oxide  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:49 |
| S20 | 28   | medical and amorphous near2 oxide and (sodium with nitrate "NaNO.sub.3")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:51 |
| S22 | 4    | "4,338,140".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:52 |
| S21 | 10   | passivat\$4 and amorphous near2 oxide and ((sodium Na) with (nitrate "NO.sub.3") "NaNO.sub.3")                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:54 |
| S24 | 532  | S23 and pH   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:55 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S23 | 667 | passivat\$4 and oxide and ((sodium Na) with (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 14:56 |
| S25 | 144 | passivat\$4 and oxide and ((sodium Na) with (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH) same buffer\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 15:10 |
| S27 | 22  | ("3912548"   "3917648"   "4144074"   "4595425"   "4645790"   "4681749"   "4842645"   "4870814"   "5068134"   "5137706"   "5149439"   "5714093"   "5871668").PN. OR ("5938976"). URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/24 15:41 |
| S26 | 144 | passivat\$4 and oxide and ((sodium Na alkali) with (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH) same buffer\$3                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 15:42 |
| S28 | 50  | amorphous with oxide and ((sodium Na alkali) with (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH) same buffer\$3                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 17:03 |
| S30 | 1   | S29 and (medical implant)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 17:06 |
| S31 | 49  | (148/276-277,284-287).ccls. and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" "Na.sub.2 CO.sub.3" NaOH) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/24 17:17 |
| S32 | 27  | "5,380,374" "5,441,580"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 11:05 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S16 | 303 | amorphous near4 oxide and (sodium with nitrate "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 11:05 |
| S29 | 49  | (148/276-277,284-287).ccls. and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium with (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 11:08 |
| S34 | 15  | (106/14\$).ccls. and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium adj bicarbonate sodium adj hydrogen adj carbonate "NaHCO.sub.3") and (sodium adj carbonate "Na.sub.2CO.sub.3" "Na.sub.2 CO.sub.3") and (sodium adj hydroxide NaOH) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 11:14 |
| S4  | 3   | S2 and amorphous near3 oxide and sodium with (nitrate bicarbonate carbonate hydroxide)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:18 |
| S35 | 6   | amorphous near3 oxide and (sodium adj nitrate "NaNO.sub.3") and pH near3 buffer  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:21 |
| S36 | 46  | amorphous near3 oxide and (sodium adj nitrate "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:30 |
| S39 | 19  | S37 and (nitric "HNO.sub.3" hydrochloric HCl)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:34 |
| S38 | 5   | S37 and (nitric "HNO.sub.3") and (hydrochloric HCl)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:34 |
| S41 | 0   | coating with oxide and (sodium adj nitrate "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4)   | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR | ON | 2007/10/25 11:37 |
| S40 | 0   | coating with oxide and (sodium adj nitrate "NaNO.sub.3").clm. and pH near3 (adjust\$3 maintain\$3 control\$4)  | EPO; JPO;<br>DERWENT;<br>IBM_TDB                                  | OR | ON | 2007/10/25 11:37 |
| S37 | 27  | coating with oxide and (sodium adj nitrate "NaNO.sub.3").clm. and pH near3 (adjust\$3 maintain\$3 control\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/10/25 11:37 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S43 | 1    | coating with oxide and ((sodium Na) same nitrate "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4)   | EPO; JPO; DERWENT; IBM_TDB                         | OR | ON | 2007/10/25 11:41 |
| S33 | 0    | (148/276-277,284-287).cccls. and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and (sodium adj bicarbonate sodium adj hydrogen adj carbonate "NaHCO.sub.3") and (sodium adj carbonate "Na.sub.2CO.sub.3" "Na.sub.2 CO.sub.3") and (sodium adj hydroxide NaOH)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/25 11:41 |
| S44 | 6    | coating with oxide and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4 buffer\$3)  | EPO; JPO; DERWENT; IBM_TDB                         | OR | ON | 2007/10/25 11:44 |
| S45 | 2166 | coating with oxide and ((sodium Na alkali group adj (I IA "I-A")) same (nitrate "NO.sub.3") "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4 buffer\$3)  | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/10/25 11:45 |
| S46 | 1440 | coating with oxide and (((sodium Na ) with (nitrate "NO.sub.3") "NaNO.sub.3") ((alkali group adj (I IA "I-A")) with (nitrate "NO.sub.3") same (Na sodium))) and pH near3 (adjust\$3 maintain\$3 control\$4 buffer\$3)  | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/10/25 11:48 |
| S47 | 75   | S46 and pH near3 (adjust\$3 maintain\$3 control\$4 buffer\$3) same (nitric "HNO.sub.3") with (hydrochloric HCl)  | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/10/25 11:49 |
| S49 | 5    | S48 and (sodium adj nitrate "NaNO.sub.3")  | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/10/25 12:21 |
| S48 | 23   | ("20040173289"   "3660172"   "3843430"   "3932198"   "4162947"   "4165242"   "4171231"   "4188271"   "4263059"   "4349392"   "4366002"   "4705576"   "4842958"   "4910097"   "5102746"   "5147730"   "5200057"   "5385655"   "5393354"   "5407749"   "5415702"   "5603818").PN. OR ("7101469").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/10/25 12:21 |
| S42 | 0    | coating with oxide and ((sodium Na) with nitrate "NaNO.sub.3") and pH near3 (adjust\$3 maintain\$3 control\$4)   | EPO; JPO; DERWENT; IBM_TDB                         | OR | ON | 2007/10/25 16:26 |

## EAST Search History

|    |     |   |   |    |    |                  |
|----|-----|---|---|----|----|------------------|
| L2 | 63  | coating with oxide and ((sodium Na) with nitrate "NaNO.sub.3") and (nitric "HNO.sub.3") with (hydrochloric HCl) with (sodium near2 (bicarbonate carbonate hydroxide) "NaHCO.sub.3" "Na.sub.2CO.sub.3" NaOH) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 16:29 |
| L1 | 467 | coating with oxide and ((sodium Na) with nitrate "NaNO.sub.3") and (nitric "HNO.sub.3") with (hydrochloric HCl)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/25 16:29 |